

State Agricultural Summaries

These summaries, issued weekly through the summer growing season, provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service. The crop weather reports are also available on the Internet through the NASS Home Page on the World Wide Web at <http://www.usda.gov/nass/> or from JAWF at <http://www.usda.gov/oce/waob/jawf>.

ALABAMA: Days suitable for fieldwork 5.1. Topsoil 14% very short, 26% short, 60% adequate. Corn 67% silken, 74% 1999, 72% avg. Corn 26% very poor, 14% poor, 20% fair, 32% good, 8% excellent. Soybeans 92% planted, 96% 1999, 93% 5 yr avg. Soybeans 84% emerged, 88%, 1999, 5 yr avg not available. Soybean 2% very poor, 5% poor, 41% fair, 50% good, 2% excellent. Wheat 95%, harvested 89% 1999, 90% 5 yr avg. Wheat 2% very poor, 9% poor, 30% fair, 54% good, 5% excellent. Hay 95% Harvested, 94% 1999, 94% 5 yr avg. Pasture feed 19% very poor, 21% poor, 32% fair, 26% good, 2% excellent. Livestock 4% very poor, 10% poor, 25% fair, 57% good, and 4% excellent. Crop conditions improved. Pastures, hayfields received much needed rainfall.

ALASKA: Days suitable for fieldwork 5.5. Topsoil 50% short, 50% adequate. Subsoil moisture, 40% short, 60% adequate. Sunny, dry conditions at the beginning of the week allowed producers to start harvesting the 1st cutting hay. However, damp conditions by the end of the week caused harvesting delays. Daytime high temperatures were mostly in the seventies, with lows in the forties and fifties. Barley, in-boot, 80%, 41% 1999, 70% average. Barley 40% fair, 50% good, 10% excellent. Oats in-boot 50%, 35% 1999, 80% avg. Average height of small grains, 11.5". Potatoes 90% emerged, 84% 1999, 100% avg. Hay 30% harvest, 22% 1999, 10% avg. Hay crop 20% poor, 30% fair, 30% good, 20% excellent. Crop growth, 90% moderate, 10% fast. Wind, rain damage to new plantings, 98% none, 2% light. Major farming activities for the week included: Cutting, harvesting hay fields, harvesting vegetables, weed control, transplanting vegetables, irrigating vegetable, potato fields.

ARIZONA: Area continued to record above average temperatures with precipitation throughout the state during the week of July 2. Above average temperatures have helped cotton, small grains progress ahead of schedule. Range, pasture feeds improvement with the early monsoon rains, but much still remains in poor condition.

ARKANSAS: Days suitable fieldwork. 4.0. Soil moisture supplies 3% short, 69% adequate, 28 % surplus Temperatures slightly cooler than normal, showers, thunderstorms scattered around state. Corn silken 89%, na 1999, na 5 yr avg.; 8% fair, 56% good, 36% excellent. Soybean 91% planted, 95% 1999, 94% 5 yr avg.; 83% emerged, 88% 1999, 87% 5 yr avg.; 7% blooming, 11% 1999, 9% 5 yr. avg.; 1% very poor, 9% poor, 30% fair, 45% good, 15% excellent. Sorghum 100% emerged, 100% 1999, 100% 5 yr. avg.; 23% headed, 11% 1999, 15% 5 yr. avg.; 1% Poor, 19% Fair, 68% Good, 12% Excellent. Cotton 92% squaring, 94% 1999, 89% 5 yr. avg.; setting 6% bolls, 7% 1999, 11% 5 yr. avg. 2% Very Poor, 7% Poor, 35% Fair, 46% Good, 10% Excellent. Rice 6% headed, 0% 1999, 1% 5 yr. avg.; 4% Poor, 19% Fair, 61% Good, 16% Excellent. Wheat 97% harvested, 94% 1999, 93% 5 yr. avg. Other hay 1% Very Poor, 2% Poor, 22% Fair, 58% Good, 17% Excellent. Alfalfa 1% Very Poor, 1% Poor, 22% Fair, 57% Good, 19% Excellent. Cotton, soybeans cultivation continued. Soybeans, rice spraying herbicides. Some cotton spraying, aphids, boll weevils. Many rice growers applying mid-season Nitrogen. Other activities: Fertilizing, applying weed control to pastures, cutting, baling hay, blueberry, peach harvests continued. Some stream flooding, Northwestern, Western sections. Livestock good condition. Cattle were being treated for horn flies, internal parasites.

CALIFORNIA: The winter wheat harvest was three-fourths complete. Yields have been good to excellent. Low protein content was a problem in some fields. Dry beans were being double cropped onto harvested wheat fields. Cotton fields were being irrigated. Excellent growing conditions have the cotton crop progressing at a faster rate than 1999. San Joaquin Valley fields were squaring, bloom was reported in several areas. Field crews were hoeing weeds. Cotton growers treated fields for mites, aphids, lygus, worms. Alfalfa was being sprayed as westside farmers battled an outbreak of armyworms. Fields were in all stages of production. Some alfalfa seed growers applied the season's final irrigation, as the fields were blooming, pollination continued. Sudan grass fields were treated for weeds. Rice was sprayed for weeds, weevils. Hot weather was beneficial to rice progress and development. Corn for silage was still being planted, as standing fields were tasseling. Early planted fields were on their last irrigation prior to chopping. Sugarbeets were thriving. Blackeye beans were being cultivated, irrigated, bloom was starting. Fruit, nut growers were busy with cultural activities. Weed control, fungicide application, irrigation of vineyards, orchards continued. Grape vineyards were treated for mildew, leafhoppers. Harvest of grapes for fresh consumption continued in the Coachella Valley. Thompson Seedless, Flame Seedless were the main varieties picked. The San Joaquin Valley harvest of Perlette, Flame Seedless grapes for fresh use was underway.

Harvest of apricots, freestone peaches, nectarines, plums was active. Apples were treated for codling moth. Grapefruit picking was active in the San Joaquin Valley, lemon picking was active in southern state. Valencia orange harvest progressed in southern state, the San Joaquin Valley. Strawberry picking was active on the central coast, winding down in the central valleys. Warm temperatures were favorable for vegetable growth. Watermelon planting was complete in most parts of the San Joaquin Valley. Planting of cantaloupe, honeydew, fresh market and processing tomatoes, bell pepper, and freezer beans continued. Insecticide applications were underway in tomato, bell pepper fields. Weeding of tomato, bell pepper fields continued. Fresh market tomato harvest was active. Harvest of processing tomatoes was expected to start in the next two weeks. Sweet corn was treated for worms, new fields were planted in Fresno County. Harvest of early vegetable crops included the following: Sweet Banana, Jalapeno, Anaheim, Fresno Chili peppers; eggplant; okra; cucumber; assorted squash; cherry tomatoes. Watermelon harvest was in full swing. The intensity of the cantaloupe harvest also increased. Bell pepper harvest began in Merced County. Harvest of garlic, onion fields was also underway. Other vegetables harvested this week were: basil; carrots; cilantro; fresh market and processing cucumbers; yellow, green, long beans; mustard greens; okra leaf; parsley; bell, sweet, chilli peppers; Kabocha, scalloped, yellow crookneck, zucchini squash; radishes; spinach. Irrigated summer pastures in the valleys, mountains were in fairly good condition. Livestock were in good condition. Dry foothill pastures caused fire problems in some areas. Temperatures were down a little from the extreme heat the week before but milk production was still being negatively affected. New dairies continue to move into the southern San Joaquin Valley from the Chino area. Bees were working in seed alfalfa, melon, safflower fields.

COLORADO: Days suitable for fieldwork 6.1. Topsoil 34% very short, 45% short, 21% adequate, 0% surplus. Subsoil moisture 35% very short, 39% short, 26% adequate, 0% surplus. Temperatures remained warm but were cooler than the previous week. Localized thundershowers brought some moisture to the southeast along with some hail. Hail also damaged crops in the northern portion of the San Luis Valley early in the week. Most of the state remained mostly dry. Spring barley 84% headed, 87% 1999, 81% avg.; 25% turning color, 11% 1999, 22% avg.; 1% very poor, 7% poor, 16% fair, 54% good, 22% excellent. Dry onions 4% very poor, 5% poor, 22% fair, 55% good, 14% excellent. Sugar beets 3% very poor, 8% poor, 17% fair, 52% good, 20% excellent. Summer potatoes 1% very poor, 4% poor, 11% fair, 47% good, 37% excellent. Fall potatoes 4% poor, 15% fair, 56% good, 25% excellent. Dry beans 95% emerged, 95% 1999, 86% avg.; 12% very poor, 8% poor, 23% fair, 47% good, 10% excellent. Spring wheat 77% headed, 62% 1999, 62% avg.; 35% turning color, 13% 1999, 18% avg.; 5% very poor, 10% poor, 17% fair, 44% good, 24% excellent. Alfalfa 93% 1st cutting, 89% 1999, 83% avg.; 6% 2nd cutting, 15% 1999, 9% avg.

DELAWARE: Days suitable for fieldwork 4.3. Topsoil 1% short, 90% adequate, 9% surplus. Subsoil moisture 1% short, 95% adequate, 4% surplus. Winter wheat 58% harvested, 43% 1999, 39% avg. Field corn 13% silken, 7% 1999, 4% avg. Sweet corn 83% planted, 99% 1999, 95% avg.; 5% harvested, 4% 1999, 3% avg. Cucumbers 82% planted, 58% 1999, 68% avg.; 12% harvested, 11% 1999, 9% avg. Soybeans 70% planted, 74% 1999, 73% avg.; 54% emerged, 63% 1999, 26% avg. Sorghum 8% fair, 85% good, 7% excellent; 88% planted, 91% 1999, 82% avg. Green peas 89% harvested, 73% 1999, 83% avg. Snap beans 85% planted, 84% 1999, 64% avg.; 9% harvested, 4% 1999, 8% avg. Lima beans 90% planted, 62% 1999, 55% avg. Pasture feed 2% poor, 8% fair, 85% good, 5% excellent. Corn 3% fair, 58% good, 39% excellent. Soybean 6% fair, 56% good, 38% excellent. Potatoes 10% harvested 7% 1999, 6% avg. Apple 8% fair, 83% good, 9% excellent. Peaches 8% fair, 82% good, 10% excellent. Hay supplies 18% short, 80% adequate, 2% surplus. Percent of cutting hay crop harvest; clover, other hays, 2nd cutting 50% cut, 33% 1999, 44% avg.; 3rd cutting 15% cut 25% 1999, and 9% avg. Alfalfa 2nd cutting 67% cut, 63% 1999, 53% avg.; 3rd cutting 30% cut, 11% 1999, 5% avg. Activities: Plenty of moisture plus warm temperatures pushed corn growth, development forward, with earliest plantings starting to silk. Soybeans planting, both full season/single crop, double crop behind barley, wheat, were active. Sweet corn harvest picked up toward end of week, plus snap beans; blueberry harvest continues, some limited quantities of early variety peaches, apples harvested.

FLORIDA: Warm, wet weather prevailed over much of Peninsula during week of June 25 through July 1. Highs were in 80s and 90s while lows were mostly in 70s. Rain greatly reduced the threat of wild fires in central areas. Rain amounts, major stations, ranged from about 1.00 in. to about

4.50 in. Moisture in State mostly very short to adequate. Farmers replanting poor stands of peanuts. Irrigated tobacco in good condition. Tobacco harvest active. Cotton stands fair to good. Irrigated sugarcane in good condition. Sand land sugarcane stressed by drought. Haying delayed due to lack of plant growth. Peanuts 29% pegged. Peanut 7% poor, 82% fair, 11% good. Tomato, watermelon harvesting virtually finished. Dade County growers harvesting okra with good supplies available over next two months. Rain everywhere, new citrus growth and some late bloom from recent moisture. New crops progressing well, some new foliage. Valencia harvest slowing, few grapefruit, Honey tangerines remain to be picked. Caretakers cutting cover crops, spraying, herbiciding, fertilizing, hedging, topping. Some burning of grove debris. Pasture feed 5% very poor, 40% poor, 45% fair, 10% good. Cattle 5% very poor, 30% poor, 50% fair, 15% good. Panhandle, north counties; pasture, cattle feeds poor to fair. Pastures improving, ponds extremely low; pastures recovering, few wells dry, most ponds, lakes dry. Ranchers fertilizing pastures. Central; pasture poor to good. Pastures, hayfields improving rapidly. Southwest; pasture feed fair to good. Pastures improving. Statewide, cattle, calves in poor to fair condition.

GEORGIA: Days suitable for field work 5.1. Soil moisture 20% very short, 34% short, 43% adequate, 3% surplus. Corn 71% dough, 71% 1999, 62% avg.; 34% dent; 32% 1999, 26% avg.; 7% mature, 5% 1999, 2% avg. Hay 24% very poor, 26% poor, 33% fair, 16% good, 1% excellent. Peanuts 81% blooming, 80% 1999, 86% avg. Sorghum 19% very poor, 30% poor, 36% fair, 14% good, 1% excellent; 88% planted, 95% 1999, 91% avg. Soybeans 94% planted, 95% 1999, 94% avg.; 81% emerged, 89% 1999, NA% avg.; 3% setting pods, 2% 1999, 1% avg. Tobacco 5% very poor, 16% poor, 40% fair, 36% good, 3% excellent; 13% harvested, 9% 1999, 13% avg. Watermelons 8% very poor, 10% poor, 44% fair, 32% good, 6% excellent; 70% harvested, 56% 1999, 50% avg. Apples 6% poor, 43% fair, 42% good, 9% excellent. Peaches 67% harvested, 43% 1999, 67% avg. Pecans 9% very poor, 25% poor, 44% fair, 21% good, 1% excellent. Scattered thunderstorms continued to bring much needed rain across the State. Soil moisture remained low. Farmers irrigated where possible. Most crops improved from the rains of the last two weeks. Wet conditions in isolated areas caused weed control problems. Producers applied fungicides, herbicides, crop regulators. Leafspot spraying began in peanuts. Sucker control was applied to tobacco. A few farmers planted late soybeans, grain sorghum. Pastures, hayfields improved. Cattlemen continued to feed hay, liquidate herds. Some abandoned corn fields were being grazed. Rain increased the possibility of further hay cutting. Other activities included: Spraying for disease, insect control in fruit, vegetables.

HAWAII: Weather conditions favorable for agriculture during week. Beneficial mixture of sunny to partly cloudy skies, light to moderate showers. Temperatures warming to daytime highs in the upper 80s. Most crops made fair to good progress. Pastures feeds were variable. Recent showers improved some pastures while others remained parched, dry. Banana, papaya harvesting remain active. Watermelon harvesting very active for holiday sales. Head cabbage in good to fair condition. Insect pressure increasing.

IDAHO: Days suitable for field work 6.8. Topsoil 16% very short, 29% short, 52% adequate, 3% surplus. Crops continue to be reported in good condition throughout the state. Northern areas reported heavy evening thundershowers last week. The 1st cutting of alfalfa hay is near completion. Irrigation supply 22% excellent, 41% good, 26% fair, 8% poor, 3% very poor. Oats headed 40%, 1999 50%. Dry Beans 100% emerged, 92% 1999, 94% avg. Cherries 30% harvested, 10% 1999, 29% avg. Potatoes 72% 12" high, 40% 1999, 49% avg.; closing 32% middles, 9% 1999, 17% avg. Alfalfa hay 1st cutting 90% harvested, 83% 1999, 77% avg.; 2nd 20% cutting harvested, 7% 1999, 4% avg. Winter wheat 95% headed, 85% 1999, 89% avg.; turning 28% color. Spring wheat 67% headed, 32% 1999, 38% avg.; 98% jointed; 87% booting; turning 5% color. Spring barley 64% headed, 35% 1999, 37% avg.; 99% jointed; 87% booting; 10% turning color. Activities: Preparing for grain harvest, irrigating, spraying weeds, monitoring for disease, pests.

ILLINOIS: DATA NOT AVAILABLE

INDIANA: Days suitable for fieldwork 3.7. Topsoil 3% short, 73% adequate, 24% surplus. Subsoil 3% very short, 14% short, 71% adequate, 12% surplus. Field activities slowed by rain, most areas. Pondering in low lying areas. Some replanting may be necessary in soybean fields. Corn growing rapidly, most fields waist high or taller. Precipitation averaged less than an inch in most areas to over 2 inches. Temperatures averaged 2E to 8E below normal. Soybean planting complete, except for double crop soybeans. Weeds in many soybean fields. Post herbicide applications remained difficult, wet conditions. Range, pasture 5% poor, 23% fair, 53% good, 19% excellent. Transplanting of tobacco virtually complete, 99% 1999, 82% avg. Second cutting alfalfa hay 20% complete, 39% 1999. Livestock in mostly good condition. Major activities: Harvesting winter wheat, planting double crop soybeans, cutting, baling hay, spraying, mowing pastures, cleaning up, equipment repair, scouting fields, hauling manure, feeding, caring for livestock.

IOWA: Days suitable for field work 3.8. Topsoil 6% very short, 16% short, 67% adequate, 11% surplus. Subsoil moisture 21% very short, 29% short, 46% adequate, 4% surplus. Across state producers report crops looking pretty good overall. Everything growing fast in fields, including weeds. Much needed rains welcomed by many farmers, although heavy rains flooded creeks, caused some erosion in central, southeastern state. Producers in western 3rd of state report groundwater supplies, ponds have still not been replenished; indicate that rains need to keep coming weekly. Corn 82% cultivated, 70% 1999, 69% avg. Corn 95% stand compared to normal. Corn height: tallest 62 inches; avg 48 inches. Corn 1% very poor, 6% poor, 20% fair, 46% good, 27% excellent. Soybeans 32% blooming, 9% 1999, 8% avg.; 1% very poor, 7% poor, 25% fair, 48% good, 19% excellent. Oats 99% headed, 99% 1999, 90% avg.; 64% turning, 43% 1999, 21% avg.; 1% very poor, 9% poor, 23% fair, 53% good, 14% excellent. Winter wheat 31% harvested, 6% poor, 24% fair, 52% good, 18% excellent. Range, pasture feed 8% very poor, 19% poor, 32% fair, 32% good, 9% excellent. Alfalfa 34% 2nd cutting, 14% 1999, 9% avg. Clover hay 90% 1st cutting, 73% 1999, 65% avg. Hay 3% very poor, 10% poor, 30% fair, 43% good, 14% excellent. Livestock generally in good condition. Producers in west central, south central, southeast state treating some cows, calves for pinkeye. Reporters in central, north central parts of state indicated cattle on pasture continue to enjoy excellent grazing conditions.

KANSAS: Days suitable for fieldwork 3.6. Topsoil 13% very short, 21% short, 52% adequate, 14% surplus. Subsoil moisture 9% very short, 29% short, 53% adequate, 9% surplus. Wheat harvest nears completion. Wheat 94% harvest, 33% 1999, 44% avg. Sorghum 98% emerged, 90% 1999. Sunflowers 96% planted, 90% 1999, 91% emergence, 3% poor, 33% fair, 61% good, 3% excellent. Alfalfa 73% 2nd cutting, 35% 1999, 44% avg. Range, Pasture feed 5% very poor, 16% poor, 32% fair, 39% good, 8% excellent.

KENTUCKY: Days suitable for fieldwork 3.6. Topsoil 1% very short, 10% short, 68% adequate, 21% surplus. Subsoil moisture 5% very short, 24% short, 61% adequate, 10% surplus. Rainfall occurred during the first half of the week and then was followed by drier weather. Cooler temperatures were also reported. Soybeans double crop 82% planted. Full season virtually complete, all soybeans 94% planted. Set tobacco 3% poor, 14% fair, 60% good, 23% excellent. Some disease, insects damage reported. Most common disease was blackshank. Tobacco height 32" under 12 in, 45% 12-24 in, 23% over 24 in. Wheat 87% harvested. Good yield, test. Good hay yields. Pasture 1% very poor, 6% poor, 26% fair, 53% good, 14% excellent.

LOUISIANA: Days suitable for fieldwork 4.6. Soil moisture 3% very short, 24% short, 67% adequate, 6% surplus. Corn 5% very poor, 7% poor, 20% fair, 63% good, 5% excellent; 99% silken, 98% 1999, 98% avg.; 68% dough stage, 67% 1999, 69% avg.; 21% mature, 2% 1999, 6% avg. Hay 92% 1st cutting, 94% 1999, 91% avg.; 21% final cutting, 3% 1999, 5% avg. Hay producers were harvesting, fertilizing. Peaches 62% harvested, 65% 1999, 60% avg. Soybeans 100% planted, 100% 1999, 98% avg.; 100% emerged, 100% 1999, 95% avg.; 19% setting pods, 7% 1999, 8% avg. Sorghum 100% emerged, 100% 1999, 100% avg. Sugarcane 8% poor, 25% fair, 37% good, 30% excellent. Sugarcane farmers were preparing rows. Sweet potatoes 98% planted, 98% 1999, 91% avg. Sweet potato harvest edged closer to completion. Livestock 1% very poor, 5% poor, 33% fair, 47% good, 14% excellent. Vegetables 3% very poor, 10% poor, 37% fair, 44% good, 6% excellent.

MARYLAND: Days suitable for fieldwork 4.4. Topsoil 1% Very short 5% short, 79% adequate, 15% surplus. Subsoil moisture 2% Very short, 9% Short 83% adequate, 6% surplus. Barley 94% harvested, 94% 1999, 86% avg. Rye 61% harvested, 58% 1999, 46% avg. Cucumbers 90% planted, 100% 1999, and 97% avg, 35% harvested, 26% 1999, 19% avg. Lima beans 65% planted, 100% 1999, 77% avg. Snap Beans 20% harvested 25% 1999, 16% avg. Soybeans 76% planted, 82% 1999, 79% avg.; 69% emerged, 74% 1999, 32% avg. Sorghum 20% fair, 42% good, 38% excellent, 88% planted, 94% 1999, 93% avg.; 5% headed, 0% 1999, 0% avg. Tobacco 2% poor, 11% fair, 77% good, 10% excellent. Potatoes 20% harvested, 21% 1999, 13% avg. Green peas 93% harvested, 100% 1999, 91% avg. Pasture feed 1% very poor, 2% poor, 12% fair, 65% good, 20% excellent. Corn 1% very poor, 1% poor, 7% fair, 57% good, 34% excellent. Soybean 3% poor, 15% fair, 63% good, 19% excellent. Apple 17% fair, 61% good, 22% excellent. Peach 12% fair, 64% good, 24% excellent. All hay supplies 2% short, 92% adequate, 6% Surplus. Percent of cutting hay crop harvest; 2nd cutting clover, other hays 35% cut, 44% 1999, 21% avg.; Alfalfa 42% 2nd cutting cut, 58% 1999, 45% avg. Activities: Persistent rains have decreased barley, wheat yields, quality, disease problems increased as a result of the wet weather.

MICHIGAN: Days suitable for fieldwork 5.0. Topsoil 0% very short, 5% short, 77% adequate, 18% surplus; subsoil 0% very short, 12% short, 72% adequate, 16% surplus. All Hay 2% very poor, 6% poor, 22% fair, 53% good, 17% excellent. All Hay 1st cutting 78%, 91% 1999, 87% avg.; 2nd

6% cutting, 6% 1999, 4% avg. Corn Height single 19 inches, 33 inches 1999, 25 inches avg. Drybeans 96% planted, 98% 1999, 91% avg.; 81% emerged, 95% 1999, 89% avg. Oats turning 16% yellow, 26% 1999, 13% avg. Soybeans 98% planted, 100% 1999, 99% avg.; 93% emerged, 100% 1999, 96% avg. Strawberries 98% harvested, 99% 1999, 75% avg. Winter Wheat 85% turning yellow, 94% 1999, 52% avg. Rain showers occurred daily or every other day across State last week. However, farmers able to cultivate, apply herbicides between rains. Across State, cool temperatures slowed crop development during week. Precipitation for week ranged from .17 inches Southeast to 2.42 inches Upper Peninsula. Growing degree days (GDD) remained slightly above average across State, with exception being Thumb which continued slightly below normal for season. Crop conditions vary widely across State depending on when planting occurred. Despite rain showers with cool temperatures, crops made progress when sun shone, temperatures warmed. Corn improved color most parts of State but remained yellow, purple some areas. Farmers cultivated corn fields across Lower Peninsula. Soybean planting virtually completed this week, start of blooming reported. Southwest, soybean condition depended on time of planting: early planted fields looked good; middle planted fields looked bad; late planted fields between. Wheat fields continued to turn yellow. Thumb, some wheat damaged by heavy rains. Hay producers frustrated Statewide by rain showers every other day causing poor drying conditions. Second cutting of hay got underway this week. Thumb, sugarbeet fields looking good, farmers cultivated their dry beans. Cabbage harvest intensified. Potatoes doing well bloom, forming tuber stages. Sweet corn harvest will get underway this week on early planted fields while most fields tasseling. Processing tomato vine growth filling rows. Market tomatoes had fruit near a mature green stage early fields. Pepper growth continued slow as fruit set beginning, some fields recovered from earlier wind damage. Cucumbers growing well. Summer squash, zucchini harvest continued. Snap bean harvest will get underway this week Southwest and growth rapid Montcalm County. Onions growing nicely. Carrots continued to progress with good growth. Pea harvest underway earlier than normal with good yields. Apples ranged from 1.5 to 2.0 inches diameter. Fire blight has done extensive damage some Southwest orchards. Tart cherry harvest underway Southwest, could start late this week West Central. Sweet cherry harvest continued Southwest, started West Central. Plum trees had 1.25 to 1.75 inch fruit, while peach trees had up to 2.0 inch fruit. Blueberries beginning to turn color. Strawberry harvest completed southern counties, will be completed soon central counties. Fall raspberry canes had green fruit, while summer raspberry harvest continued. Concord grapes had buckshot berries.

MINNESOTA: Days suitable for fieldwork 4.3. Topsoil 1% very short, 7% short, 72% adequate, 20% surplus. Spring Wheat 96% jointed, 96% 1999, 88% avg.; 1% turning ripe, 1% 1999, 0% avg. Oats 97% jointed, 96% 1999, 94% avg.; 5% turning ripe, 7% 1999, 4% avg. Barley 96% jointed, 93% 1999, 88% avg.; 1% turning ripe, 0% 1999, 0% avg. Corn 84% cultivated, 87% 1999, 85% avg.; 34 in. height, 35 in. 1999, 31 in. avg. Soybeans 60% cultivated, 56% 1999, 54% avg.; 10 in. height, 10 in. 1999, 10 in. avg. Alfalfa 94% 1st cutting, 96% 1999, 95% avg. Pasture feed 0% very poor, 3% poor, 24% fair, 61% good, 12% excellent. Warmer temperatures, less rain throughout the state helped corn, soybeans begin to recover from the extreme weather conditions earlier in the growing season. Field conditions vary drastically across the state. For example, in Norman county, flooding continues, a large number of acres have already been lost. By contrast, Pope county crops continue to be in good to excellent condition. From the West Central through East Central District, subsoil moisture remains short, so timely rains will be needed in the coming weeks.

MISSISSIPPI: Days suitable for fieldwork 4.0. Soil moisture, 5% very short, 25% short, 61% adequate, 9% surplus. Corn 90% silken, 93% 1999, 82% avg.; 3% very poor, 8% poor, 17% fair, 58% good, 14% excellent. Cotton 92% Squaring, 93% 1999, 88% avg.; 32% setting bolls, 33% 1999, 29% avg.; 1% very poor, 5% poor, 18% fair, 62% good, 14% excellent. Rice 3% headed, 7% 1999, 9% avg.; 2% very poor, 4% poor, 21% fair, 60% good, 13% excellent. Sorghum 33% heading, 40% 1999, 32% avg.; 1% very poor, 5% poor, 21% fair, 63% good, 10% excellent. Soybeans 61% blooming, 61% 1999, 42% avg.; 2% very poor, 5% poor, 17% fair, 62% good, 12% excellent. Wheat 6% poor, 21% fair, 49% good, Excellent 24%. Hay (warm-season) 43% harvested, 53% 1999, 50% avg.; 6 very poor, 11% poor, 29% fair, 44% good, 10% excellent. Blueberries 14% poor, 16% fair, 64% good, 6% excellent. Cattle 4% very poor, 9% poor, 25% fair, 50% good, 12% excellent. Pasture 15% very poor, 10% poor, 24% fair, 41% good, 10% excellent. Rain has restored soil moisture in some parts of the state. Insect pressure in soybeans continue to be a problem in some parts of the state.

MISSOURI: Days suitable for fieldwork 4.1. Topsoil 3% very short, 11% short, 72% adequate, 14% surplus. Subsoil moisture 14% very short, 35% short, 48% adequate, 3% surplus. The weekly precipitation averaged 1.02 inches. Monthly precipitation averaged 7.01 inches, about 3 inches above the 30-year avg 3.76 inches. Conditions of row crops showed only minor changes from the moderate to heavy rains throughout the State. Some crops along river bottoms were left standing in water after the rains. Hay and wheat harvesting was slowed by the wet weather. Wheat harvest 76% complete compared to both 52% 1999. normal. Continued wet weather

caused a decline in the quality of wheat remaining to be harvested. Double-crop soybeans planted 69%, compared to 42% 1999, 46% normal. Second crop alfalfa hay 62% cut, compared with 36% in 1999, 31% avg. Other hay cut 83% complete, 70% in 1999, 68% avg. Cotton setting bolls 10% complete, compared to 42% 1999, 16% normal. Pasture feeds 7% very poor, 19% poor, 42% fair, 28% good, 4% excellent.

MONTANA: Days suitable for fieldwork 6.7. Topsoil 31% very short, 51% short, 18% adequate, 0% surplus. Subsoil moisture 38% very short, 45% short, 17% adequate, 0% surplus. Oats 75% in boot, 52% 1999, 70% avg.; 50% headed, 29% 1999, 30% avg.; 11% very poor, 14% poor, 31% fair, 38% good, 6% excellent. Corn 0% very poor, 9% poor, 53% fair, 30% good, 8% excellent. Dry beans 0% very poor, 2% poor, 72% fair, 18% good, 8% excellent. Potatoes 98% emerged, 92% 1999, 96% avg.; 0% very poor, 0% poor, 12% fair, 46% good, 42% excellent. Sugar beets 0% very poor, 12% poor, 41% fair, 31% good, 16% excellent. Barley 67% in boot, 59% 1999, 71% avg. Spring wheat 76% in boot, 60% 1999, 76% avg. Winter wheat 45% turning, 19% 1999, 11% avg.; 0% ripe, 0% 1999, 0% avg. Alfalfa hay 57% 1st cutting, 41% 1999, 34% avg. Other hay 37% 1st cutting 26% 1999, 22% avg. In drought-stressed Central State, preliminary reports indicate that alfalfa hay yields are half of normal. Crops are maturing quickly with the warm weather, but more moisture is needed to maintain present conditions. Pest, disease problems are becoming numerous, producers are working to control them before yields are impacted. Canola is flowering at this time, and there are reports of a new pest in State, the cabbage seed pod weevil, on canola crops. This pest is normally found in Canada and Idaho, and its presence in Montana this year may be due to the mild winter. Barley thrips, the Russian Wheat Aphid are a problem this year earlier than normal, and this too is because of the mild winter, dry spring. The state's chickpea crop is expected to be impacted by ascochyta blight. Weather conditions have been favorable for its development, even resistant strains are being affected. The incidence of wheat streak mosaic virus is widespread across the northern part of the state, but severe infections are limited to winter wheat in drought-stressed areas. In some areas of the state, range, pasture feed is short due to poor grass conditions and low hay yields. Livestock water supplies continue to be a concern for ranchers in the Central, Southeastern parts of the state. Pasture, range feed indicate that 42% of the state's grazing lands are in poor or very poor shape.

NEBRASKA: Days suitable for fieldwork 5.7. Topsoil 35% very short, 30% short, 34% adequate, 1% surplus. Subsoil moisture supplies were rated mostly very short to short. Corn Temperatures for the week averaged 3 to 8° below normals. Precipitation occurred across state ranging from traces to over 2.75 inches. 6% very poor, 9% poor, 26% fair, 41% good, 18% excellent; 3% silken, 0% 1999, 0% avg. Soybeans 4% very poor, 11% poor, 30% fair, 42% good, 13% excellent; 17% bloomed, 4% 1999, 2% avg. Sorghum 6% very poor, 14% poor, 45% fair, 32% good, 3% excellent. Winter Wheat 14% very poor, 30% poor, 41% fair, 15% good; 76% ripe, 28% 1999, 18% avg.; 52% harvested, 1% 1999, 5% avg. Oats 23% very poor, 23% poor, 21% fair, 22% good, 11% excellent; headed 97%, 91% 1999, 94% avg.; 7% harvested for grain. Dry beans 4% very poor, 14% poor, 36% fair, 41% good, 5% excellent. Alfalfa 2nd cutting 39% harvested, 14% 1999, 7% avg.; 21% very poor, 27% poor, 29% fair, 21% good, 2% excellent. Wild hay 18% very poor, 29% poor, 37% fair, 15% good, 1% excellent. Pasture, range 30% very poor, 33% poor, 28% fair, 9% good. Some cattle moved off pastures, others receiving supplemental feed. Other producer activities included: Irrigating, harvesting hay, wheat, livestock care.

NEVADA: Temperatures dropped somewhat as the week progressed, falling to near normal by week's end. Light precipitation fell in the north as several thunder systems passed across the State. Lightning ignited several fires in northern state. water supplies short to adequate. Stream, creek flows diminishing. Crop condition ratings fair to excellent. Second cutting of alfalfa hay in full swing; third cutting underway south. Timothy, grass hay harvests continued. Winter wheat headed out, spring planted grain heading progressed. Onions, garlic in good condition. Potatoes doing well. Weed, insect control underway. Pasture, range feeds rated mostly fair to good, but drying. Limited livestock movement for range management. Main farm, ranch activities: Alfalfa, other hay harvest, irrigation, weed and insect control, gopher control.

NEW ENGLAND: Days suitable for fieldwork 6.0. Topsoil 3% short, 82% adequate, 15% surplus. Subsoil moisture 1% short, 83% adequate, 16% surplus. Pasture feed 3% fair, 47% good, 50% excellent. Maine potatoes 100% emerged, 100% 1999, 100% avg.; condition good. Rhode Island potatoes condition good. Massachusetts potatoes condition good to fair. Oats in Maine condition good. Barley in Maine condition good. Silage corn 95% planted, 100% 1999, 100% avg.; 90% emerged, 100% 1999, 100% avg.; condition good. Sweet corn 95% planted, 100% 1999, 100% avg.; 85% emerged, 95% 1999, 95% avg.; condition good. Shade tobacco condition good to fair. Broadleaf tobacco condition good to fair. First crop hay 65% harvested, 90% 1999, 75% avg.; condition good to fair. Apples fruit set below avg to avg, fruit size avg, condition good to fair. Peaches fruit set avg to above avg, fruit size above avg to avg, condition good. Pears fruit set avg, fruit size avg, condition good. Strawberries: fruit

set avg to above avg, fruit size avg, condition good to fair; 55% harvested, 90% 1999, 70% avg. Cranberries condition good to fair. Highbush blueberries fruit set avg to above avg, fruit size avg, condition good to excellent. Wild Blueberries in Maine fruit set avg to above avg, fruit size avg to above avg, condition good to fair. Sunny, warm weather with scattered showers during the week. Major farm activities: Cultivating, topdressing, spraying herbicides, insecticides, fungicides, haying, picking strawberries, harvesting summer squash, greens, peas, lettuce, radishes.

NEW JERSEY: Days suitable for field work 5.6. Topsoil 8% short, 88% adequate, 4% surplus. Wet fields prevented planting, cultivating in some areas. Corn 99% planted, 7% fair, 90% good, 3% excellent. Soybeans 80% planted, Double crop soybean planting will begin when small grain harvest is complete. Clear skies, warm temperatures provided excellent harvest conditions for wheat, barley. Leaf spot from spring black stem fungus was reported in some alfalfa fields while mowing the second cutting. Irrigation usage was up due to heat, sporadic rainfall. Sweet corn crop condition was rated mostly good. Fungus sprays were applied to peach, apple trees. Some snap bean fields were planted due to poor germination rates. Tomato plants were flowering as crop in most localities responded positively to warm, dry weather conditions. Reporters indicated blueberry crop has favorable yields, excellent quality.

NEW MEXICO: Days suitable for field work 4.9. Topsoil 21% very short, 38% short, 29% adequate, 12% surplus. A steady supply of moisture combined with some atmospheric disturbances resulted in widespread precipitation during the week. All but one station received at least a trace of precipitation. The rain cooled air resulted in temperatures a few degrees below normal at most locations. General rains are still needed to relieve the drought conditions in areas of the State, but as one reporter said, "Green is a pretty color when it's in a pasture. Harvesting, irrigating, cultivating, weed control were the main farm activities during the week. Onions were in mostly good condition with 70% of the crop harvested. Chile condition improved during the week, is reported to have mostly an average pod set. The wheat crop was virtually complete by week's end. Alfalfa was in mostly good to excellent condition. The 2nd 85% cutting, the third cutting was progressing well across the southern part of the State. Cotton was in mostly fair to excellent condition with 75% squaring. Ranchers have been able to cut back on supplemental feeding, hauling water to livestock. Both cattle and sheep improved marginally during the week. Pasture, range feed 14% very poor, 36% poor, 37% fair, 13% good.

NEW YORK: Days suitable 3.9. Soil moisture 32 % adequate, 68 % surplus. Pasture feed 7 % fair, 50 % good, 43 % excellent. Hay 15 % poor, 46 % fair, 31 % good, 8 % excellent. Oat 25 % fair, 75 % good. Wheat 17 % fair, 83 % good. Corn 88 % planted, 100 % 1999, 100 % avg. Alfalfa 62 1st cutting % complete, 94 % 1999, 88 % avg. Clover-timothy 49 % harvested, 85 % 1999, 80 % avg. Grass silage 76 % harvested, 96 % 1999, 90 % avg. Dry bean planting in high gear. Soybean planting nearing completion. Finger Lakes grapes in excellent condition, set variable. Overall crop potential good.

NORTH CAROLINA: Days suitable for field work 4.7 compared to 5.2 the previous week. Soil moisture 6% very short, 20% short, 61% adequate, 13% surplus. The last week of June brought typical warm to hot summer weather with afternoon thundershowers spawning off in isolated areas. A high pressure system moved through the State during the middle of the week dumping significant rainfall throughout a large portion of the Mountain, Piedmont regions. Behind the front were milder temperatures, lower humidity which made for a very comfortable weekend. Areas that received precipitation improved. Major gains were made in the small grain harvest which are a few days ahead of their five-year averages. Significant progress was made in the Irish potato harvest, while sweetpotato transplanting continues to increase modestly. Other activities included: Soybean, sorghum planting, burley tobacco setting, continued hay cutting, pest management for all crops.

NORTH DAKOTA: Days suitable for field work 6. Topsoil 2% very short, 8% short, 79% adequate, 11% surplus. Subsoil moisture 3% very short, 11% short, 79% adequate, 7% surplus. Hot, dry weather in the southwest resulted in crop stress, while either rain or past flooding in the east caused concern for disease, crop death. Durum wheat 77% jointing, beyond, 53% 1999, 58% avg.; 43% boot, beyond, 21% 1999, 29% avg.; 20% heading, beyond, 9% 1999, 11% avg.; 2% milk, beyond, 1% 1999, 1% avg. Canola 97% rosette, 84% 1999; 62% blooming, beyond, 48% 1999. Potatoes 5% blooming, beyond, 9% 1999, 9% avg. Sunflowers 0% blooming, beyond, 1% 1999, 0% avg. Emerged crop Durum wheat 1% very poor, 3% poor, 24% fair, 60% good, 12% excellent. Canola 2% very poor, 6% poor, 16% fair, 54% good, 22% excellent. Dry edible beans 12% very poor, 15% poor, 21% fair, 45% good, 7% excellent. Flaxseed 2% very poor, 4% poor, 17% fair, 59% good, 18% excellent. Potatoes 15% very poor, 17% poor, 21% fair, 41% good, 6% excellent. Soybeans 9% very poor, 12% poor, 19% fair, 52% good, 8% excellent. Sugarbeets 6% very poor, 12% poor, 25% fair, 46% good, 11% excellent. Sunflower 2% very poor, 6% poor, 18% fair, 61% good, 13% excellent. Broad leaf, wild oat 93% spraying, 97% complete respectively. Pasture, range feeds 2% very poor, 7% poor,

30% fair, 52% good, 9% excellent. Stockwater supplies 1% very short, 6% short, 87% adequate, 6% surplus. Hay 84% of normal. Alfalfa 1st, 57% 2nd cutting, 1% complete respectively, while other hay 26% complete.

OHIO: Days suitable for fieldwork 4.1 days. Topsoil 0% very short, 3% short, 69% adequate, 28% surplus. Alfalfa hay 93% 1st cutting, 100% 1999, 94% avg. Alfalfa hay 2nd 21%; 47% 1999, 18% avg. Oats headed 95%, 98% 1999, 85% avg.; 5% ripe; 12% 1999; 27% avg. Other hay 86% 1st cutting, 100% 1999, 86% avg.; 2nd 7% cutting, 20% 1999, 9% avg. Soybeans 95% emerged, 100% 1999, 92% avg.; 12% blooming, 21% 1999, 6% avg. Strawberries 97% harvested, 99% 1999, 88% avg. Winter wheat 81% ripe, 76% 1999, 40% avg. Winter wheat 16% harvested, 16% 1999, 8% avg. Corn 2% very poor, 6% poor, 21% fair, 47% good, 24% excellent. Hay 3% very poor, 8% poor, 27% fair, 50% good, 12% excellent. Oats 0% very poor, 5% poor, 23% fair, 61% good, 11% excellent. Pasture 1% very poor, 6% poor, 25% fair, 54% good, 14% excellent. Soybeans 5% very poor, 13% poor, 33% fair, 40% good, 9% excellent. Winter wheat 0% very poor, 3% poor, 18% fair, 54% good, 25% excellent. Activities for the week included: Harvesting wheat, barley; hoeing tomato, pepper fields; lining pickle vines; mowing ditches; spraying crops; replanting soybeans, corn; making hay; chopping silage; certifying crops; repairing equipment, buildings; mowing waterways, farm lots; spreading manure; spraying orchards; scouting fields for insects, disease; picking strawberries, blackberries, harvesting sweet corn, cabbage, zucchini, other vegetables; shearing Christmas trees. Reported weed pressures included Canadian thistle, ragweed, foxtail, lambsquarter, hemp dogbane, velvet leaf, nut grass, ironweed, multiflora rose, johnsongrass. Reported insects were black cutworms, European corn borer in corn, bean leaf beetles, slugs, spittle bugs, wire worms, seed corn maggots, spider mites, gypsy moths, tent caterpillars, aphids in wheat, alfalfa weevil, potato leaf hoppers. Reported diseases were root diseases in soybeans; rust, powdery mildew, head scab, glume blotch in wheat; Stewart's wilt in sweet corn, canker, early blight on tomatoes; spring black stem in alfalfa. Fruit, vegetable crops were reported in mostly good condition throughout the state with the exception of excessive moisture causing rotting problems. In Washington county, producers are picking sweet corn; some pumpkins are beginning to vine. In Champaign county, sweet corn is tassling, silking. In the Northwest, North Central, Northeast districts many farmers will not plant up to 30% of intended soybean acres due to too much rain. Replanting of crops has been attempted but wet fields are causing poor stands, high weed population. Livestock conditions are mostly good except for too many flies due to wet weather. In Muskingum county, cattle are in good condition but there are reports of a poor calf crop due to the heat, drought of 1999.

OKLAHOMA: Days suitable for fieldwork 2.1. Topsoil 2% short, 68% adequate, 30% surplus. Subsoil moisture 8% short, 77% adequate, 15% surplus. Wheat 49% plowed, 46% last week, 28% 1999, 41% avg. Oats 75% harvested, 70% last week, 77% 1999, 78% avg.; 31% plowed, 28% last week, 20% 1999, 32% avg. Corn 6% fair, 78% good, 16% excellent, 13% silking, 12% last week, 18% 1999, 28% avg.; 4% dough, n/a last week, 6% 1999, 6% avg. Sorghum 87% planted, 78% last week, 89% 1999, 90% avg.; 80% emerged, 57% last week, 72% 1999, 75% avg. Soybeans 1% very poor, 1% poor, 24% fair, 61% good, 13% excellent, 85% planted, 85% last week, 67% 1999, 84% avg.; 77% emerged, 75% last week, 52% 1999, 69% avg.; 3% blooming, 2% last week, 8% 1999, 11% avg. Peanuts 0% setting pods, n/a last week, 4% 1999, 5% avg.; Cotton 100% emerged, 96% last week, 100% 1999, 96% avg. Alfalfa Hay 4% poor, 21% fair, 63% good, 12% excellent, 72% second cutting, 63% last week, 69% 1999, 73% avg; 8% 3rd cutting, n/a last week, 10% 1999, 13% avg. Other Hay 2% poor, 19% fair, 60% good, 19% excellent; 75% 1st cutting, 75% last week, 73% 1999, 72% avg. 7% 2nd cutting, 4% last week, 7% 1999, 7% avg. Watermelons 61% setting fruit, 40% last week, 52% 1999, 57% avg. Livestock 1% poor, 7% fair, 73% good, 19% excellent; Cattle marketings near avg. Feeder cattle prices are steady.

OREGON: Days suitable for fieldwork 7. Topsoil 53% short, 47% adequate. Subsoil 43% short, 57% adequate. Barley 90% headed, 5% poor, 38% fair, 33% good, 24% excellent. Winter wheat 1% poor, 49% fair, 38% good, 12% excellent. Range, pasture 18% fair, 70% good, 12% excellent. Activities: Haying continues state wide. In Willamette Valley, grass seed swathing is underway on meadow foam, orchardgrass, fine fescue, early tall fescue fields. Grain crops turning color, field corn irrigation continued. In Rogue River Valley, 2nd cutting of alfalfa underway, grain nearing maturity. On south coast grass silage harvest completed, first cutting of grass hay winding down. In Mid-Columbia basin barley harvest started in areas with shallow soil, low rain. Some late rye rouging in spring wheat fields. Farmers getting combines ready for harvest. In Kalamath basin sugarbeets emerged, 2% of rows closed. Nurseries, greenhouses all doing irrigation with high 90° days early in week. Easter lily growers preparing beds for late summer planting; producing beds undergoing routine maintenance. Greenhouses starting to gear up for fall sales of pansies, mums. Vegetable growers in eastern state continued watering during seasonably hot weather. Potatoes reported emerged with about 1% of rows closed. In north Willamette Valley, processing vegetables looked good, right on schedule. Fresh market vegetables reported in all stages from planting through harvest. Green pea harvest winding down with good yields, quality reported.

Onions growing well & sweet corn growth closing rows. Table beets doing well, tomatoes sizing. In Jackson County, cucumber, squash reported growing well, sweet corn showing tassels. Harvest of Bing cherries for fresh market got underway in Wasco county. Briner cherries harvested in Hood River county. Cherry harvest continued in other growing districts. Strawberry harvest passed its peak in Willamette Valley. Raspberry, blueberry picking continued. Other berries & hazelnuts continued to size. Jackson county pears growing well; second cover spray completed. In Coos & Curry counties, cranberry bloom ended in Stevens beds & continued in McFarlin beds. Livestock condition continued mostly good to excellent. Some cattle in poor condition in southern Malheur county. Range & pasture conditions continued to dry across most of state under much warmer, drier weather. Pasture output slowed considerably in northern Willamette Valley, except on irrigated pastures. Southeastern ranges drying up rapidly, except at higher elevations.

PENNSYLVANIA: Days suitable for field work 4.1. Soil moisture 6% short, 70% adequate, 24% surplus. Corn height 31 in., 26 in. 1999, 24 in. avg. Oats 95% heading or headed, 88% 1999, 80% avg.; 20% turning yellow, 32% 1999, 21% avg. Barley 95% turning yellow, 96% 1999, 95% avg.; 85% turning ripe, 81% 1999, 80% avg.; 77% harvested, 74% 1999, 61% avg. Wheat 92% turning yellow, 94% 1999, 85% avg.; 38% turning ripe, 60% 1999, 32% avg.; 6% harvested, 8% 1999, 7% avg.; 1% very poor, 4% poor, 26% fair, 61% good, 8% excellent. Oat crop 3% poor, 19% fair, 63% good, 15% excellent. Alfalfa 1st 89% cutting, 99% 1999, 89% avg.; 27% 2nd cutting, 55% 1999, 31% avg. Timothy clover 64% 1st cutting, 90% 1999, 70% avg. Quality of hay 4% very poor, 26% poor, 33% fair, 33% good, 4% excellent. Activities include: Planting corn, soybeans, vegetables; harvesting barley, winter wheat; fixing fences; machinery maintenance; spreading lime, fertilizers; hauling manure; caring for livestock; cutting hay; transplanting tobacco; making hay, haylage; applying pesticides.

SOUTH CAROLINA: Days suitable for field work 6.1. Soil moisture 22% very short, 33% short, 45% adequate. Rain, Flood, Hail Damage 84% none, 6% light, 9% moderate, 1% heavy. Apples 20% poor, 65% fair, 15% good. Cantaloups 67% harvested, 51% 1999, 60% avg; 15% poor, 56% fair, 29% good. Corn 92% tasseled, 83% 1999, 87% avg; 50% doughed, 28% 1999, 41% avg; 10% matured, 2% 1999, 10% avg; 20% very poor, 23% poor, 26% fair, 30% good, 1% excellent. Cotton 64% squared, 55% 1999, 60% avg; 14% bolls set, 6% 1999, 11% avg; 5% very poor, 11% poor 24% fair, 51% good, and 9% excellent. Cucumbers 98% harvested, 93% 1999, 75% avg. Oats 100% harvested, 96% 1999, 98% avg. Peaches 44% harvested, 38% 1999, 35% avg; 14% poor, 20% fair, 48% good, 18% excellent. Peanuts 27% pegged, 30% 1999, 28% avg; 3% very poor, 13% poor, 63% fair, 19% good, 2% excellent. Rye 99% harvested, 99% 1999, 97% avg. Snap beans 77% harvested, 69% 1999, 55% avg; 10% poor, 20% fair, 70% good. Sorghum 97% planted, 97% 1999, 89% avg; 45% headed, 49% 1999, 41% avg; 15% turned color, 14% 1999, 18% avg; 15% very poor, 25% poor, 50% fair, 10% good. Soybeans 95% planted, 92% 1999, 92% avg; 85% emerged, 80% 1999, 80% avg; 14% bloomed, 6% 1999, 8% avg; 4% very poor, 11% poor, 27% fair, 52% good, 6% excellent. Sweetpotatoes 99% planted, 99% 1999, 93% avg; 4% poor, 31% fair, 65% good. Tobacco 67% topped, 43% 1999, 54% avg; 5% poor, 18% fair, 72% good, 5% excellent. Tomatoes 80% harvested, 74% 1999, 67% avg; 5% very poor, 6% poor, 17% fair, 72% good. Watermelons 57% harvested, 43% 1999, 50% avg; 8% very poor, 19% poor, 45% fair, 28% good. Winter wheat 100% harvested, 99% 1999, 95% avg. Other Hay 42% harvested, NA 1999, NA avg; 12% very poor, 33% poor, 23% fair, 31% good, 1% excellent. Livestock 1% very poor, 6% poor, 32% fair, 45% good, 16% excellent.

SOUTH DAKOTA: Days suitable for field work 5.3. Topsoil 3% very short, 20% short, 74% adequate, 3% surplus. Subsoil moisture 7% very short, 25% short, 62% adequate, 6% surplus. Feed supplies 1% very short, 4% short, 83% adequate, 12% surplus. Stock water 4% very short, 13% short, 75% adequate, 8% surplus. Winter Rye 5% poor, 11% fair, 54% good, 30% excellent. 71% turning color, 36% 1999, 26% avg. Winter Rye ripe 11%, 0% 1999, 6% avg.; 83% turning color, 69% 1999, 41% avg.; 14%, 4% 1999, 5% avg. Spring Wheat 98% boot, 94% 1999, 83% avg.; 9% turning color, 21% 1999, 11% avg. Barley 99% boot, 92% 1999, 81% avg.; 17% turning color, 14% 1999, 12% avg. Oats 96% boot, 88% 1999, 82% avg.; 24% turning color, 12% 1999, 7% avg.; 2% ripe, 0% 1999, 0% avg. Corn 2% tasseled, 0% 1999, 1% avg. Avg corn height 27 inches, 23 inches 1999, 20 inches avg. Corn 88% cultivated once, 69% 1999, 71% avg.; 40% cultivated twice, 19% 1999, 19% avg. Sunflowers 2% poor, 21% fair, 62% good, 15% excellent. 0%, blooming 0% 1999, 3% avg. Alfalfa hay 5% very poor, 12% poor, 28% fair, 46% good, 9% excellent. 1st 90% cutting harvested, 79% 1999, 76% avg.; 2nd 14% cutting harvested, 9% 1999, 5% avg. Other hay 48% harvested, 36% 1999, 30% avg. Range, Pasture 2% very poor, 4% poor, 19% fair, 59% good, 16% excellent. Cattle 6% fair, 69% good, 25% excellent. Sheep 2% fair, 61% good, 37% excellent. Moderate temperatures, modest rains have been beneficial, but soil moisture, water supplies are a concern to producers. Crops are reported in good condition, but this varies with reports of hail damage. Crop progress is ahead of the five-year avg, 1999.

TENNESSEE: Days suitable for fieldwork 5. Topsoil 2% very short, 17% short, 74% adequate, 7% surplus. Subsoil moisture 2% very short, 23% short, 70% adequate, 5% surplus. Tobacco 9% poor, 30% fair, 52% good, 9% excellent. Wheat 94% harvested, 99% 1999, 90% avg. Pastures 1% very poor, 7% poor, 31% fair, 54% good, 7% excellent. Alfalfa 43% 2nd cutting, 30% 1999, 40% avg.; 6% poor, 31% fair, 52% good, 11% excellent. Rain showers continued to blanket the State as a cold front pushed through the western half of state early in the week, the eastern half of the State by Thursday morning. The moisture, coupled with the cooler temperatures, was a welcome sight for areas where corn is in the silking stage, where double crop soybeans are emerging, but hampered areas still harvesting wheat, planting soybeans. Second cutting of alfalfa hay is underway. A warming trend had begun by the weekend as temperatures rebounded to the upper 80's, lower 90's.

TEXAS: Spotted rain showers crossed the Plains, portions of North Central State during mid week. Some hail damage occurred in isolated locations, but generally growing conditions continued to improve as some of the drier areas of the Plains received considerable accumulations. In the few areas where cotton had already failed this season, some producers were planting sunflowers, or sorghum. The Trans Pecos area, South State remained dry, available soil moisture was short. In the wetter areas of the state plant disease continued to be a problem for some producers, some haying operations remained on hold as fields continued to dry out. Grasshopper populations continued to increase, army worms continued to pose a threat to row crops, range and pastures. Field Crops Small Grains: Recent rains continued to delay harvest of remaining small grains in some locations, sprouting in the head was a problem for some producers in these areas. Yields have been variable across the State. Oats 88% harvested, 88% 1999, 83% avg. Sunflowers 99% planted, 87% 1999, 81% avg. Corn: Corn continued to progress well in most areas. Recent rains continued to improve the condition of dryland corn, allowed for some relief from irrigation for a time. Hot dry conditions accelerated maturity in southern areas. High winds, isolated hail continued to damage some fields in some areas. Statewide corn 85% of normal compared with 87% 1999. Corn dough 57% published, 54% 1999, 47% avg. Corn 40% dented published, 38% 1999, 27% avg. Corn mature 11% published, 9% 1999, 3% avg. Cotton: Cotton planting ended across the plains. Rain, wind, hail caused damage in some areas, some cotton was suffering from standing water. Thrips, grasshoppers continued to cause damage to young plants, boll weevil pressure increased in some locations. Statewide cotton conditions 78% of normal compared with 63% 1999. Cotton bolls opening published 3%, 3% 1999, 2% avg. Rice: Flooding of fields continued. Some producers continued to apply nitrogen. Army worms continued to be an increasing problem in some fields. State wide rice 94% of normal compared with 88% 1999. Rice headed 59% published, 51% 1999, 33% average. Sorghum: Planting neared completion across the Plains. In southern areas of the state harvesting continued to expand. Midge problems were reported in some areas. Irrigated acres continued to make good progress in all areas, while rains continued to improve dryland sorghum. Statewide sorghum 79% of normal compared with 80% 1999. Sorghum turning 39% color published, 34% 1999, 37% average. Sorghum mature 28% published, 22% 1999, 19% average. Sorghum 20% harvested published, 14% 1999, 6% average. Peanuts continued to progress well across the Plains, while land preparation, planting neared completion in southern, central areas. Grasshoppers remained an increasing problem in some areas. Producers began to apply fungicides in areas where leaf spot was evident. Statewide peanut 87% of normal compared with 82% 1999. Soybeans: Planting of remaining soybeans was completed. Plants continued to progress well in eastern and central areas as warm temperatures, soil moisture levels remained favorable. Army worm problems remained steady in some locations. Crop progression was generally good across the State. Soybeans 100% planted published, 98% 1999, 96% avg. Commercial Vegetables, Fruit, Pecans In the Rio Grande Valley, watermelon, cantaloup harvest continued. Harvest of most other crops slowed. Soil moisture levels remained favorable in most areas. In the San Antonio-Winter Garden, harvest of summer vegetables, melons continued, while green beans and peas continued to progress. Chili peppers continued to make good progress. In East State, harvest neared completion for onions, cauliflower, but was somewhat slowed from wet conditions. Disease, insect problems continued. In the High Plains, pumpkins, melons, cucumbers, carrots, onions continued to make good progress, but high winds caused some damage to young plants in a few locations. Peaches: Producers continued some spraying to control insect pests. Harvest of early varieties ended in southern areas but continued in eastern areas. Some leaf diseases were active as a result of the wet conditions. Pecans: Spraying for second generation case bearers continued. Recent rains helped nutlet development. Range, Livestock: Recent moisture continued to aid pasture recovery across the state, but recovery has been slow. Some locations remained extremely dry, cattle movement, supplemental feeding continued in these areas. Grasshopper, army worm populations continued to increase, damage to range, pasture was becoming extensive in some locations.

UTAH: Days suitable for field work 7. Topsoil 25% very short, 37% short, 38% adequate. Subsoil moisture 23% very short, 35% short, 42% adequate. Pasture, range feed 8% very poor, 25% poor, 37% fair, 30% good. Alfalfa hay 2nd cutting 13%, 1% 1999, 6% avg. Other hay cut 46%, 43% 1999, 35% avg. Corn height 26 inches, 18 inches 1999, 19

inches avg. Winter wheat 94% headed, 98% 1999, 98% avg. Oats 63% headed, 51% 1999, 52% avg. Barley 87% headed, 84% 1999, 81% avg. Spring wheat 85% headed, 86% 1999, 81% avg. Oats harvested 17% for hay or silage, 11% 1999, 14% avg. Apricots 26% harvested, 9% avg. Sweet cherries 71% picked, 10% 1999, 17% avg. Tart cherries 5% picked, 3% avg. Irrigation water supplies 10% very short, 36% short, 54% adequate. Stock water supplies 6% very short, 23% short, 71% adequate. Major farm, ranch activities included: irrigating crops, harvesting fruit and alfalfa 2nd cutting. Hot dry weather continues to be a problem for ranchers as rangeland dries up, irrigation supplies dwindle. Crops, ranges are dry; rain is badly needed. Most crops are maturing earlier than normal. Crops are consistently ahead of past years throughout the state.

VIRGINIA: Days suitable for fieldwork 3.4. Topsoil 1% short, 66% adequate, 33% surplus. Subsoil moisture 4% very short, 11% short, 68% adequate, 17% surplus. Pastures 3% poor, 16% fair, 64% good, 17% excellent. Livestock 1% poor, 5% fair, 78% good, 16% excellent. Other Hay 3% poor, 21% fair, 65% good, 11% excellent. Alfalfa Hay 1% poor, 11% fair, 62% good, 26% excellent. Corn for Grain 1% poor, 7% fair, 60% good, 32% excellent. Corn for Grain 100% emerged, 97% 1999, 59% 5-yr avg. Corn for Grain 31% Silken, 15% 1999, 10% 5-yr avg. Soybeans 2% poor, 10% fair, 72% good, 16% excellent. Soybeans 81% planted, 66% 1999, 70% 5-yr avg. Soybeans 70% emerged, 55% 1999, 25% 5-yr avg. Winter Wheat 70% harvested, 57% 1999, 50% 5-yr avg. Barley 87% harvested, 95% 1999, 84% 5-yr avg. Flue-cured tobacco 11% fair, 70% good, 19% excellent. Burley tobacco 25% fair, 64% good, 6% excellent. Dark Fire-cured tobacco 14% fair, 69% good, 17% excellent. Sun tobacco 20% fair, 80% good. Peanuts 6% fair, 70% good, 24% excellent. Peanuts 11% pegged, 26% 1999, 22% 5-yr avg. Cotton 5% poor, 20% fair, 63% good, 12% excellent. Cotton 68% squaring, 56% 1999, 54% 5-yr avg. Summer Potatoes 1% very poor, 13% poor, 18% fair, 63% good, 5% excellent. Summer Potatoes 17% harvested, 17% 1999, 12% 5-yr avg. Apples 10% fair, 68% good, 22% excellent. Peaches 28% very poor, 1% poor, 12% fair, 58% good, 1% excellent. All localities in the state received rain last week with some receiving more than adequate amounts of rain while others delaying harvests due to the rain. Other activities for the week included: Peanut, cotton herbicide treatments, nitrogen applications to cotton, applying insecticides to tobacco.

WASHINGTON: Days suitable for fieldwork 6.92. Topsoil 2% very short, 22% short, 73% adequate, 3% surplus. Subsoil moisture 45% short, 53% adequate, 2% surplus. Winter wheat dryland 5% poor, 18% fair, 59% good, 18% excellent; irrigated 95% good, 5% excellent. Headed 100%, 100% 1999, 100% avg. Winter wheat was progressing well with the hot weather. Preparation for harvest was underway. Spring wheat, dryland 2% poor, 33% fair, 56% good, 9% excellent; irrigated, 100% good. Headed 82%, 82% 1999, 81% avg. Barley, dryland 1% poor, 34% fair, 55% good, 10% excellent; irrigated 100% good. Headed 85%, 78% 1999, 85% avg. Spring cereal grains improved with the hot weather were nearing the end of the heading stage. Potatoes, 3% fair, 95% good, and 2% excellent. Alfalfa hay 1st cutting, 97%, 100% 1999, 93% avg.; 2nd cutting 50%, 50% 1999, 38% avg. Hay, roughage, 88% adequate, 12% surplus. Range, Pasture 14% poor, 50% fair, 36% good. The potato harvest was expected to start some time next week. Broccoli harvest was underway. Carrots were starting to be harvested. Berries, fruit development looked to be normal for this time of year. Pumpkins and squash were experiencing some difficulty due to the wet spring and early summer. Cherry harvested continued, apple thinning was underway. Grass hay harvest looked to be excellent as did the first, second cutting of alfalfa. Pasture feeds were favorable as well. Dairymen continued making liquid manure applications to forage fields. Christmas tree growers started top work for noble firs. The range fire that occurred in Benton County had caused little crop damage.

WEST VIRGINIA: Days suitable for fieldwork 4.5. Topsoil 2% very short, 10% short, 85% adequate, 3% surplus. Dry weather in the latter part of the week enabled farmers to cut hay. Wheat 40% fair, 60% good, 35% harvested, 50% 1999, 26% 5-yr avg. Hay 5% poor, 25% fair, 60% good, 10% excellent; 1st cut 80%, 93% 1999, 81% 5-yr avg.; 2nd cut 5%, 11% 1999, 6% 5-yr avg. Corn 20% fair, 77% good, 3% excellent.; 10% silken, 6% 1999, 2% 5-yr avg. Soybean 22% fair, 77% good, 1% excellent. Oats 30% fair, 65% good, 5% excellent; Oats 85% headed, 88% 1999. Tobacco 25% fair, 75% good. Apple 70% fair, 15% good, 15% excellent. Peach 100% fair. Cattle 15% fair, 80% good, 5% excellent. Sheep 13% fair, 82% good, 5% excellent.

WISCONSIN: Days suitable for fieldwork 4.4. Soil moisture: 0% very short, 1% short, 71% adequate, 28% surplus. Temperatures were somewhat cool last week, as crops still need more heat and dry weather. Some wet spots were causing problems, extra moisture has kept many workers out of the fields. Some beans were yellow, stands have begun to thin due to the wet conditions. The small grains are standing tall and looking green, healthy. First cutting of hay: 93% 2000,

94% 1999, 89% 5-year avg. Some farmers are still struggling to get the last of the first crop in, due to wet fields. Second crop looks lush and healthy. Winter wheat: 0% very poor, 1% poor, 24% fair, 55% good, 20% excellent. Pasture feed 1% very poor, 2% poor, 12% fair, 62% good, 23% excellent. Peas are at maturity and being harvested. Potatoes are blossoming, most stands look good.

WYOMING: Days suitable for fieldwork 6.5. Topsoil 12% very short, 64% short, 24% adequate. Subsoil moisture 5% very short, 63% short, 32% adequate. Barley 81% boot, 80% 1999, 85% avg.; 62% headed, 62% 1999, 63% avg.; turning 10% color, 6% 1999, 9% avg. Barley 2% very poor, 5% poor, 34% fair, 45% good, 14% excellent. Oats 87% jointed, 87% 1999, 92% avg.; 60% boot, 58% 1999, 68% avg.; headed 26%, 28% 1999, 36% avg. Oats 1% very poor, 8% poor, 41% fair, 44% good, 6% excellent. Spring 90% wheat boot, 72% 1999, 70% avg.; headed 20%, 54% 1999, 45% avg.; turning color 2%, 4% 1999, 9% avg. Spring wheat condition 2% very poor, 17% poor, 39% fair, 37% good, 5% excellent. Winter wheat turning color 92%, 70% 1999, 55% avg.; mature 19%, 11% 1999, 5% avg. Winter wheat condition 34% very poor, 36% poor, 17% fair, 13% good. Corn average height 18 inches, 21 inches 1999, 19 inches avg. Corn 3% poor, 5% fair, 88% good, 4% excellent. Dry beans bloom 4%, 2% 1999, 3% avg. Dry beans 1% poor, 16% fair, 74% good, 9% excellent. Sugarbeets 2% very poor, 3% poor, 16% fair, 54% good, 25% excellent. Alfalfa 1st cutting 58%, 51% 1999, 45% avg. Other hay harvested 21%, 19% 1999, 20% avg. Range, pasture feed 6% very poor, 13% poor, 47% fair, 34% good. Livestock moved to summer ranges: cattle 92%, sheep 85%. Livestock in mostly good condition. Stock water supplies 12% very short, 36% short, 52% adequate.